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blood 3d. per ounce ; methylated spirit 6d. per pint ; varnish 1s. 4d. per pint.

ROSEWOOD.—Boil one half pound of logwood in three pints of water till it is of a very dark red ; add one half ounce of salt of tartar. Stain the work with the liquor while it is boiling hot, giving three coats ; then, with a painter's graining brush, form streaks with the following liquor : Boil one half pound of logwood chips in two quarts of water ; add one ounce pearlash, and apply hot.

SHORTENING A BELT.—It is frequently convenient to shorten a belt temporarily, especially in the upper stories of a mill, when the miller would be put to some trouble and the loss of considerable time to shorten the belt in the customary way. In such cases we have heard the following simple method recommended, which will answer very well where the belt does not run near a beam or other obstruction : Unlace the belt and place the two ends together, making the laced portions parallel, and allowing them to project away from the pulleys. They may then be laced again, using the same holes and fastenings. Though very simple, this hint may save annoyance and time.

VARNISH FOR BASKET WARE.—The following varnish for basket work is said to dry rapidly, to possess sufficient elasticity, and to be applicable with or without admixture of color : Heat 375 grains of good linseed oil on a sand-bath until it becomes stringy, and a drop placed on a cold, inclined surface does not run ; then add gradually 7500 grains of copal oil varnish, or any other copal varnish. As considerable effervescence takes place, a large vessel is necessary. The desired consistency is given to it, when cold, by addition of oil of turpentine.

A CEMENT for such purposes as fixing metal letters to glass windows consists of copal varnish, fifteen parts ; drying oil, five parts ; turpentine, three parts ; oil of turpentine, two parts ; liquefied marine glue, five parts. Melt in a water-bath, and add ten parts dry slaked lime.

CEMENT FOR STEAM JOINTS.—Take sal-ammoniac, two ounces ; sublimed sulphur, one ounce ; fine cast-iron turnings, one pound ; mix in a mortar, and keep dry. When to be used, mix with twenty times its quantity of clean iron turnings or filings, and triturate the whole in a mortar ; then wet with water until of proper consistence. A red putty for steam joints can be made of stiff white-lead worked well in red-lead powder.

VARNISH FOR PAINTINGS.—“ Amateur ” is informed that a good varnish can be made as follows : Mastic, six ounces ; pure turpentine, one half ounce ; camphor, two drachms ; spirits of turpentine, nineteen ounces ; add first the camphor to the turpentine. The mixture is made in a water-bath, and when the solution is effected, add the mastic and the spirits of turpentine near the end of the operation, then filter through a cotton cloth. The varnish should be laid on very carefully.

WATERPROOF PAPER.—Sheets of stout manilla passed through a hot bath of aqueous solution of zinc chloride (at 75° B.), pressed strongly together and then soaked in dilute aqueous soda solution containing a small amount of glycerine, cohere to form a strong, stiff, waterproof board admirably adapted to the construction of small boats. Single sheets of paper passed quickly through the zinc chloride bath, pressed and washed and dried, are waterproof, and may be otherwise joined to form waterproof boards by any suitable cement.

SCHEDULE OF DAILY WAGES.

(Revised monthly.)

LOCALITIES.	TRADES.						
	Laborer.	Carpenter.	Stair-Build.	Joiner.	Cabinet-Maker.	Finisher.	Painter.
New York.....	1 25 @ 2 25	2 50 @ 2 75	2 25 @ 2 75	2 25 @ 2 50	1 50 @ 3 00	1 50 @ 3 00	1 50 @ 2 00
Boston.....	1 00 @ 1 50	1 50 @ 2 25	2 00 @ 2 25	1 50 @ 2 00	1 50 @ 2 50	.....	1 75 @ 2 25
Baltimore.....	1 00 @ 1 60	1 25 @ 2 75	2 25 @ 3 00	2 50 @ 3 25	2 50 @ 3 25	2 00 @ 2 75	1 50 @ 2 50
Philadelphia.....	1 10 @ 1 60	1 50 @ 2 25	2 50 @ 3 00	.....	.....	.....	2 00 @ 2 50
St. Louis.....	1 00 @ 2 10	1 50 @ 2 00	1 50 @ 3 00	.....	.....	1 50 @ 2 10	2 00 @ 2 50
Chicago.....	1 00 @ 1 25	1 25 @ 2 00	2 00 @ 3 00	1 75 @ 2 50	1 75 @ 2 50	1 50 @ 2 10	1 75 @ 2 25
Cincinnati.....	1 00 @ 1 50	1 75 @ 2 25	1 75 @ 2 50	.....	.....	.....	1 75 @ 2 00
San Francisco.....	2 00 @ 3 00	3 00 @ 4 00	.....	.....	.....	.....	.....
Texas.....	1 75 @ 2 00	2 50 @ 3 25	.....	2 00 @ 3 00	2 00 @ 3 00	.....	.....
Ottawa (Canada).....	80 @ 1 10	1 25 @ 2 00	1 75 @ 2 50	1 50 @ 2 00	1 50 @ 2 00	1 00 @ 1 75	1 00 @ 1 75
Toronto (Canada).....	1 00 @ 1 25	1 25 @ 2 25	2 00 @ 3 00	1 50 @ 2 25	1 50 @ 2 25	1 00 @ 2 00	1 00 @ 2 00